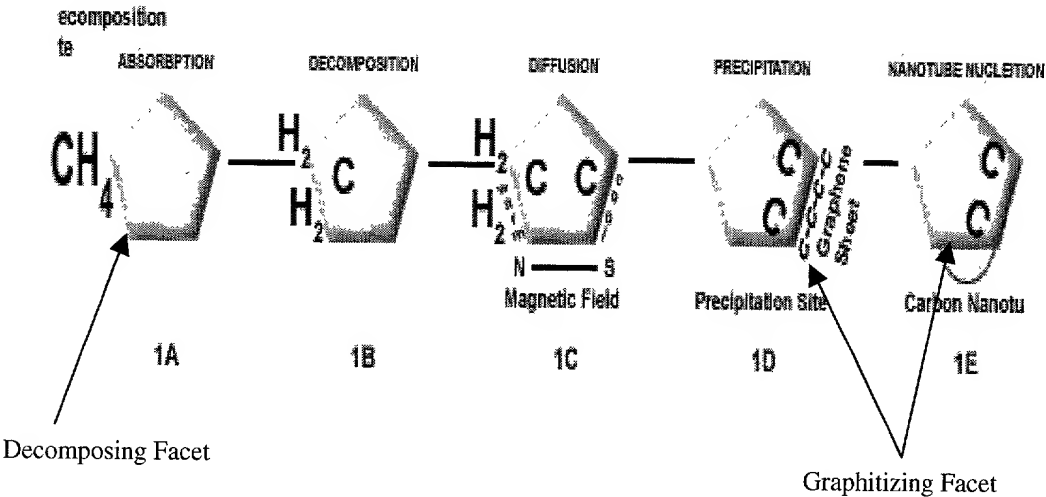
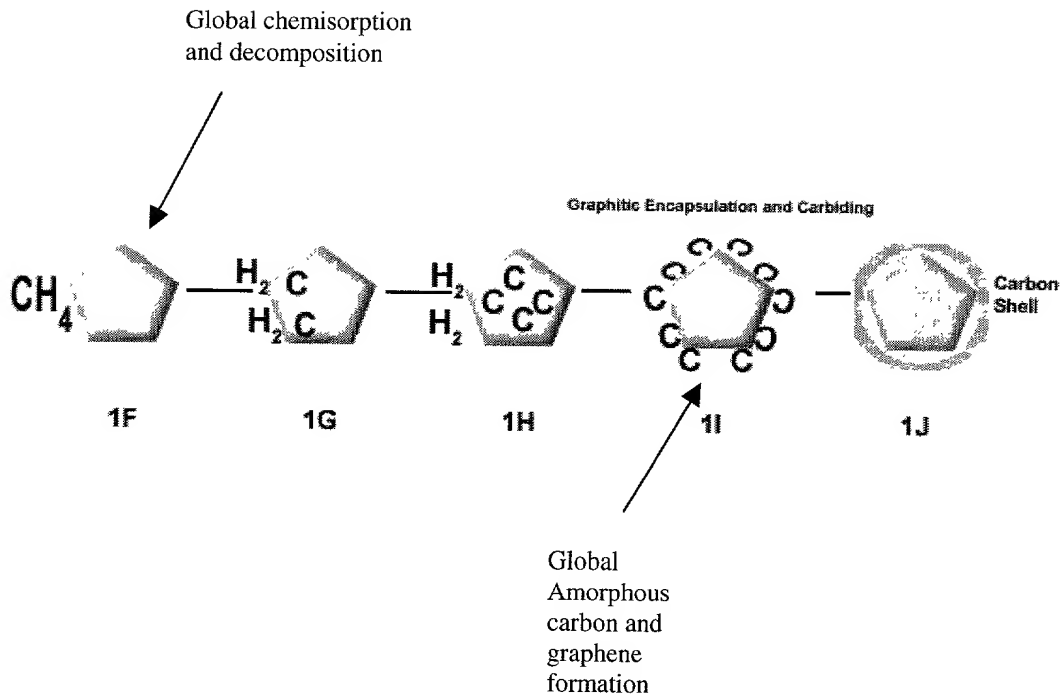


Figures 1A-1E



Figures 1F-1J



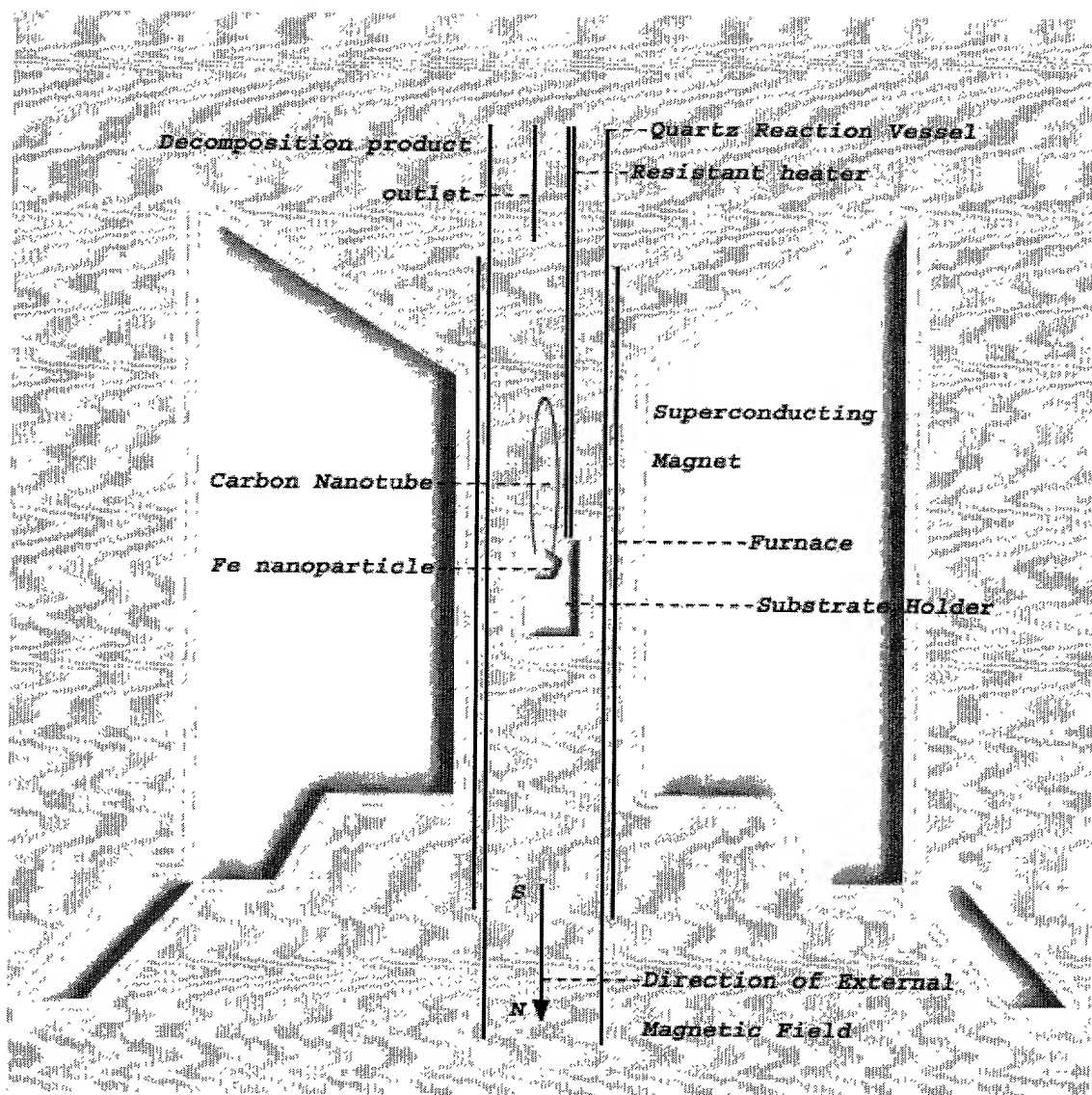


Figure 2 - Magneto Catalytic Chemical Vapor Deposition Reactor

Figure 3

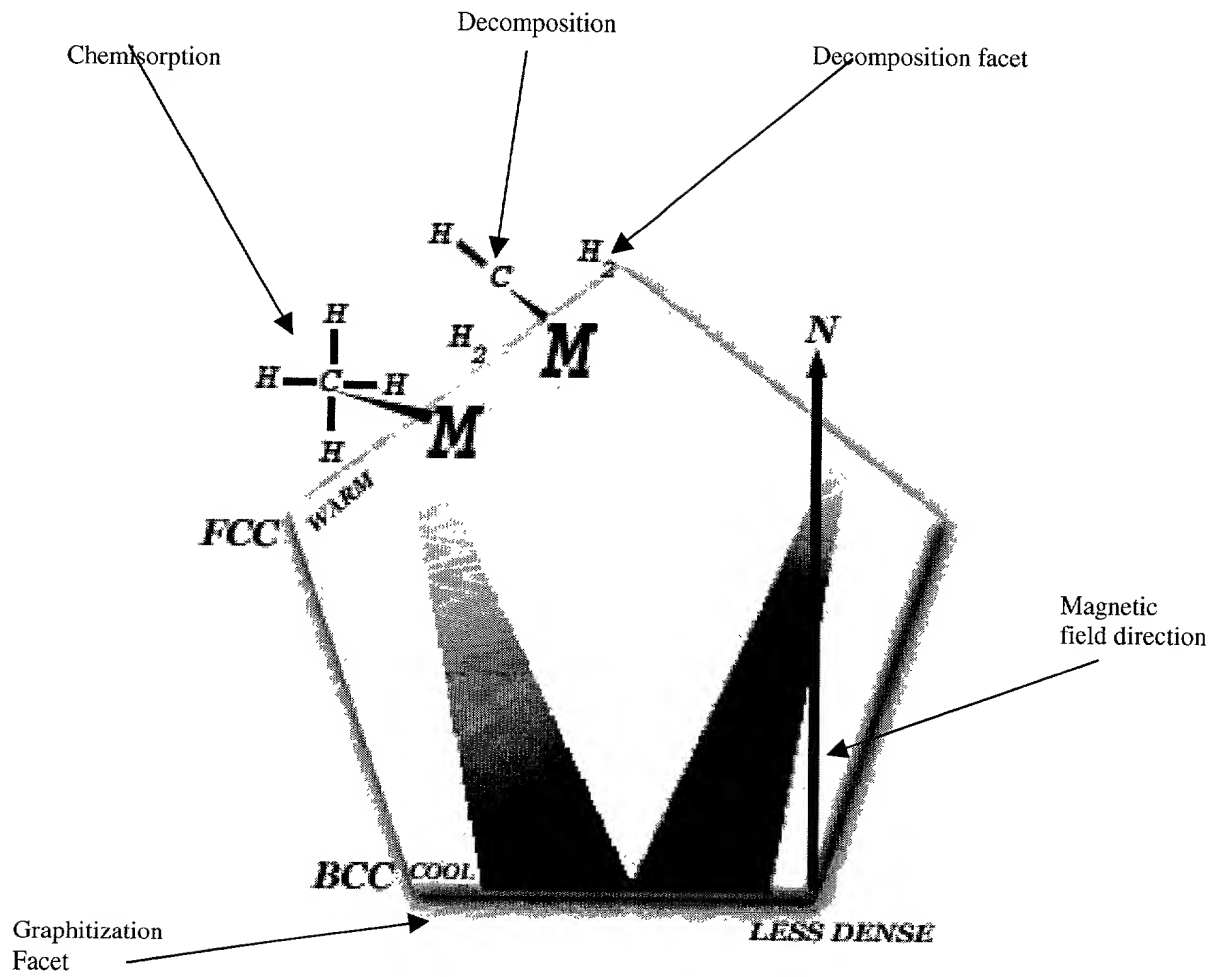
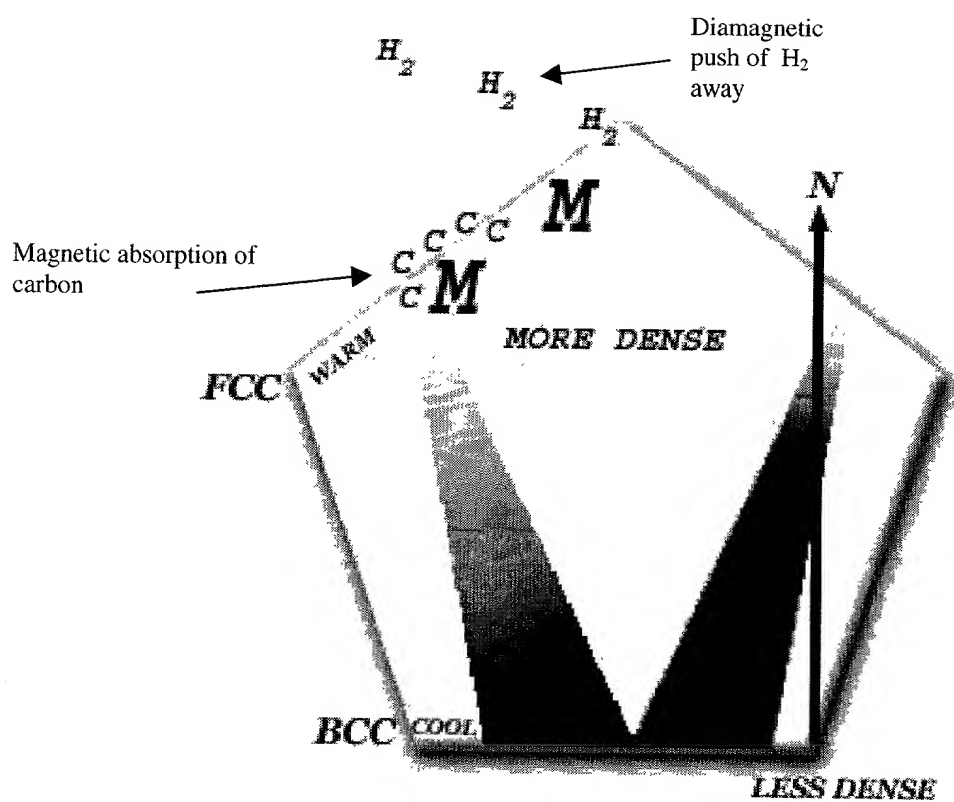


Figure 4



Γ

Figure 5

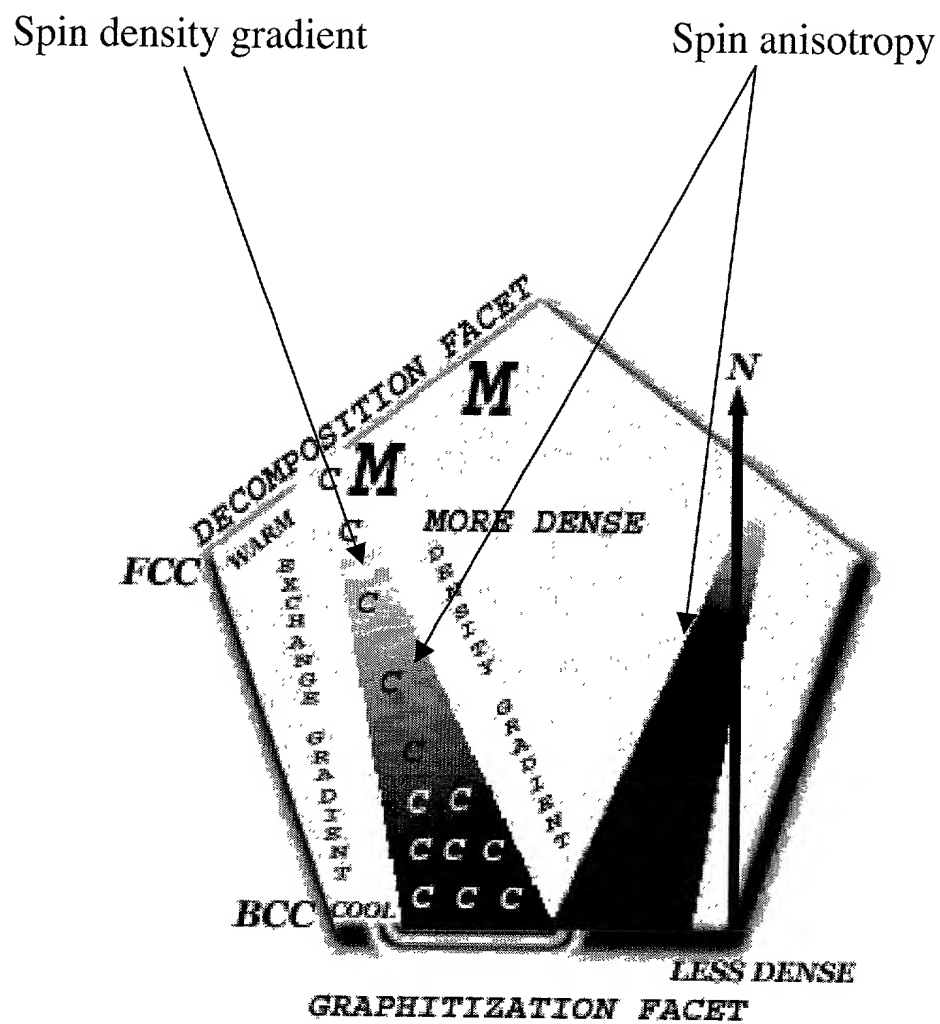
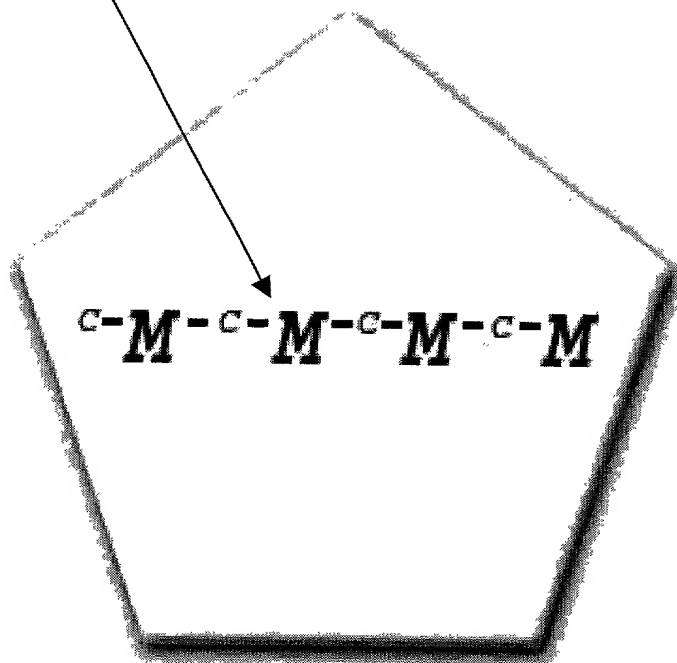


Figure 6

Case A Metal carbide



B1- Metastable Metal Carbide

Figure 7

Case B2 Unstable metal carbides

Global surface graphitization

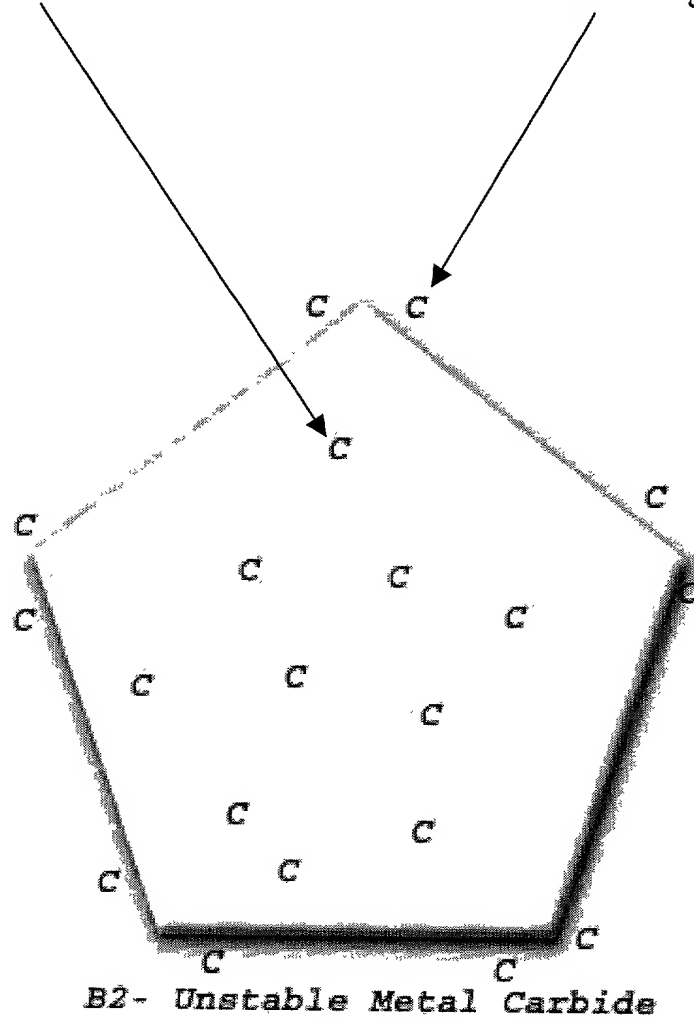


Figure 8

Case B3 stable metal carbides

Global surface amorphous carbon

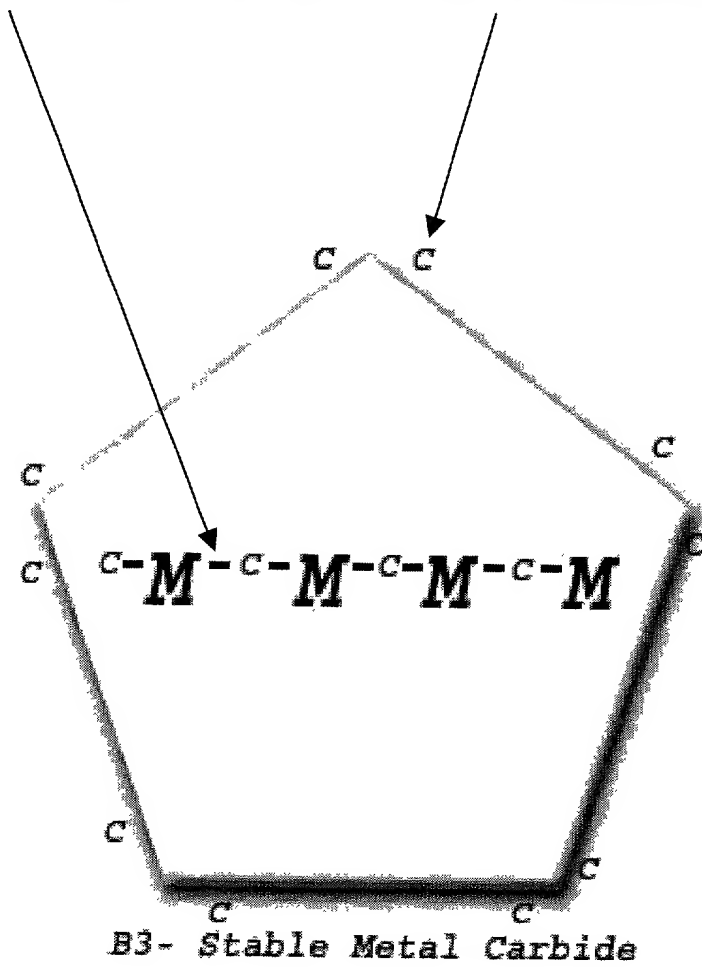


Figure 9

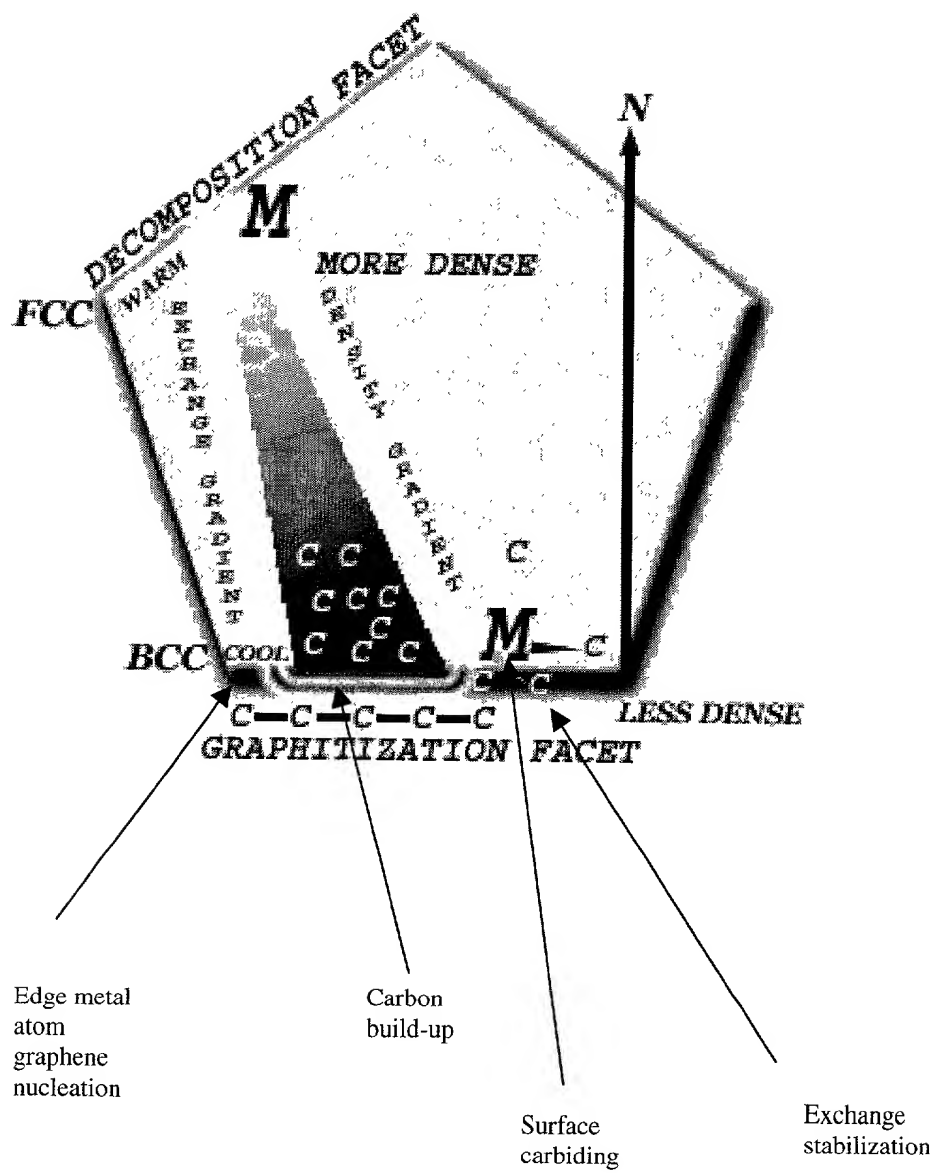


Figure 10

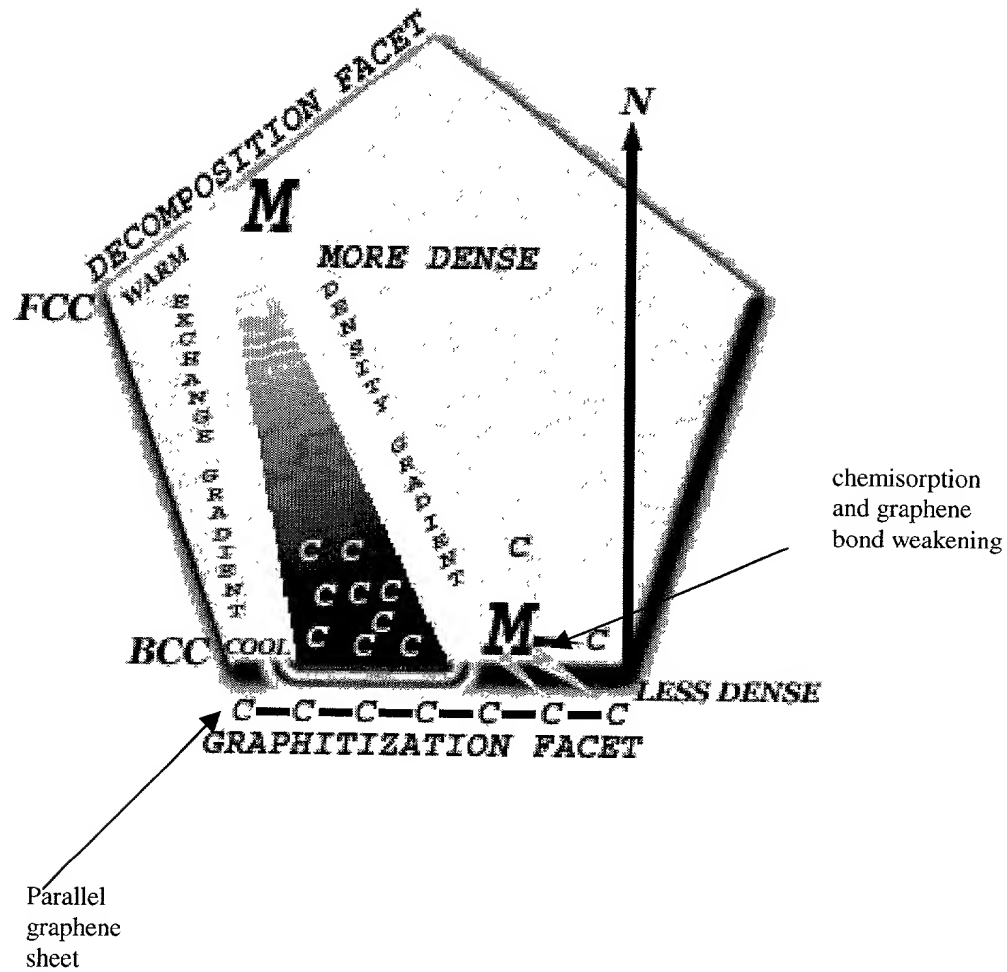


Figure 11

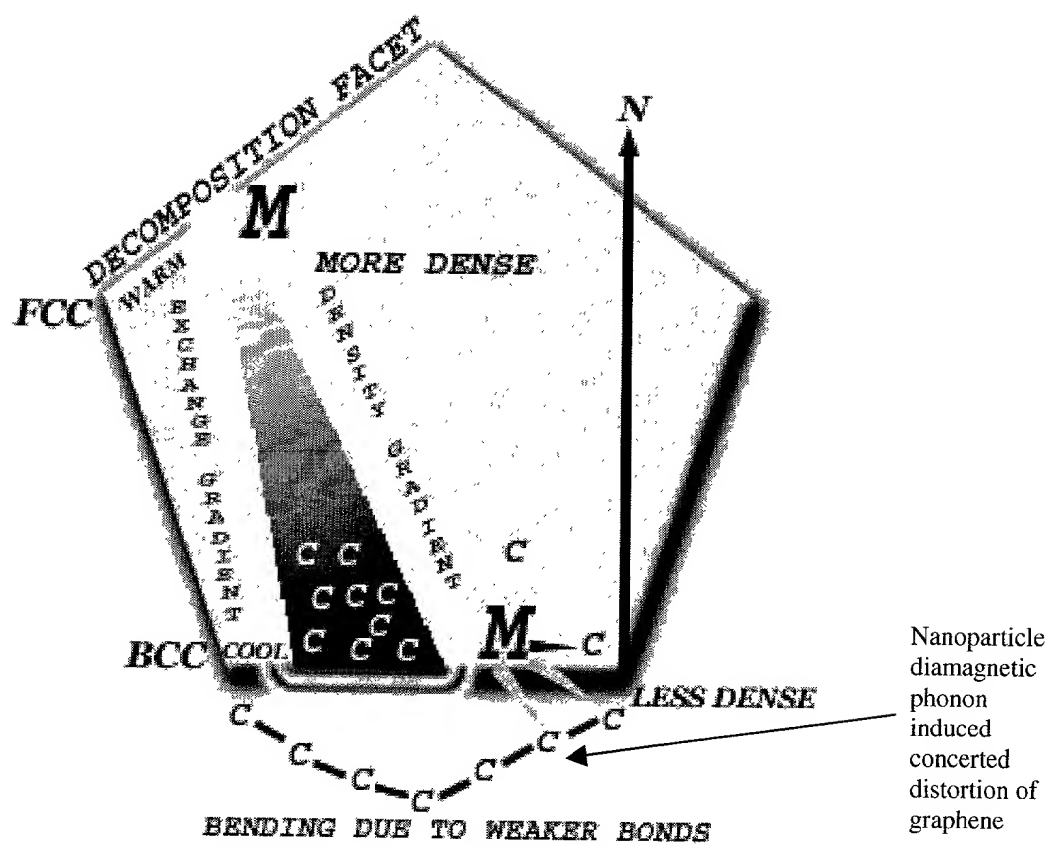
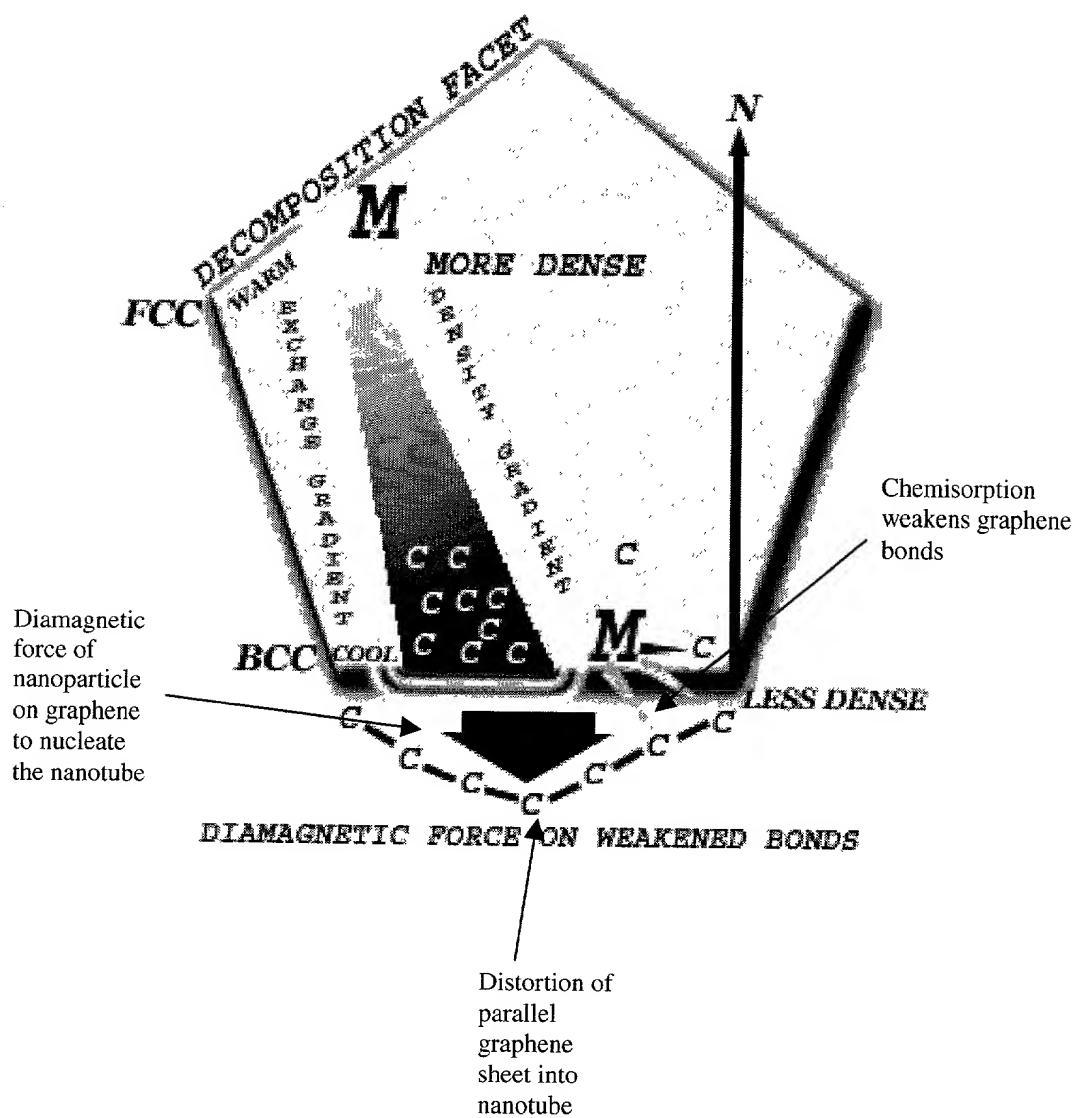


Figure 12



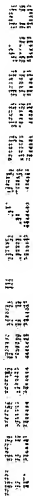
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Figure 14

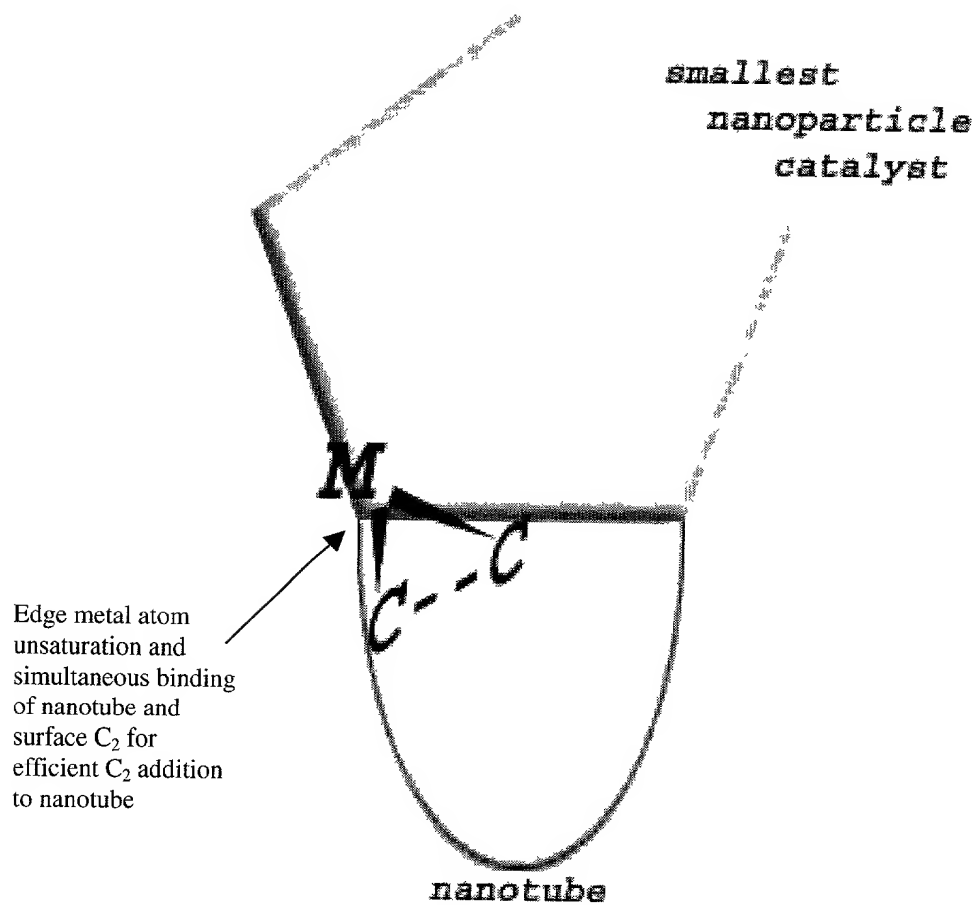


Figure 15

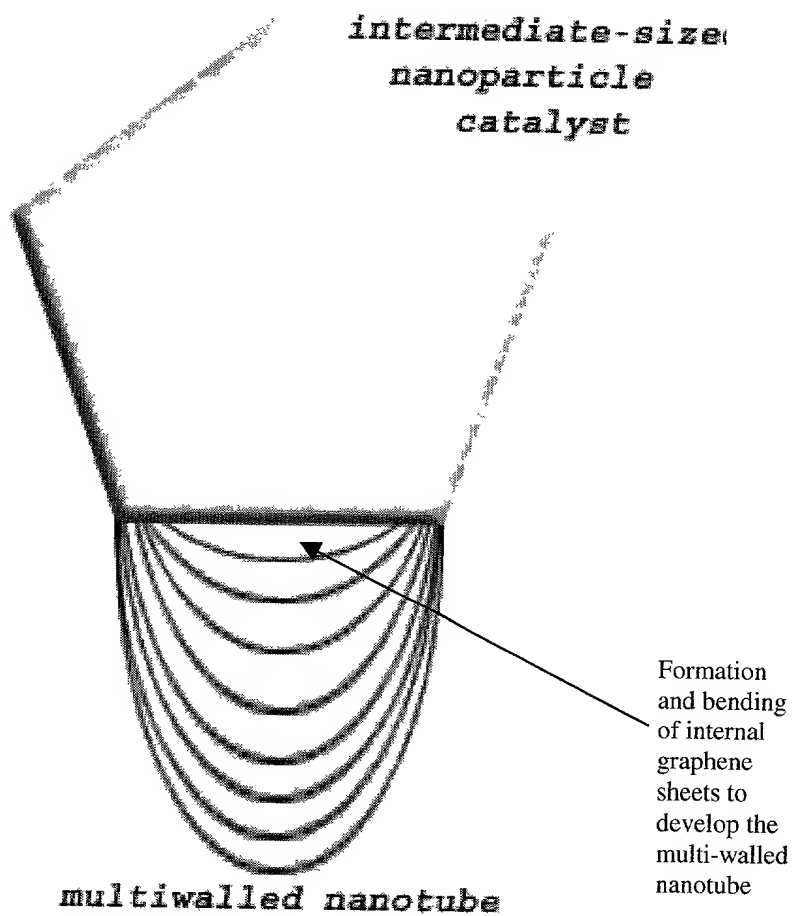


Figure 16

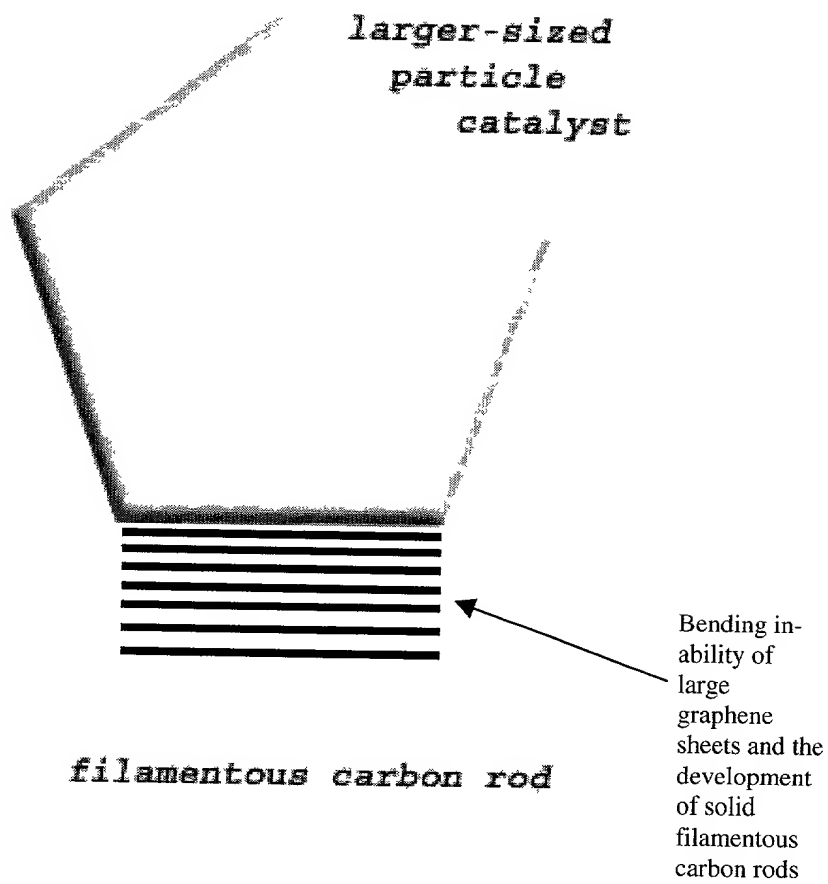


Figure 17 – Magneto Catalytic Chemical Vapor Deposition System

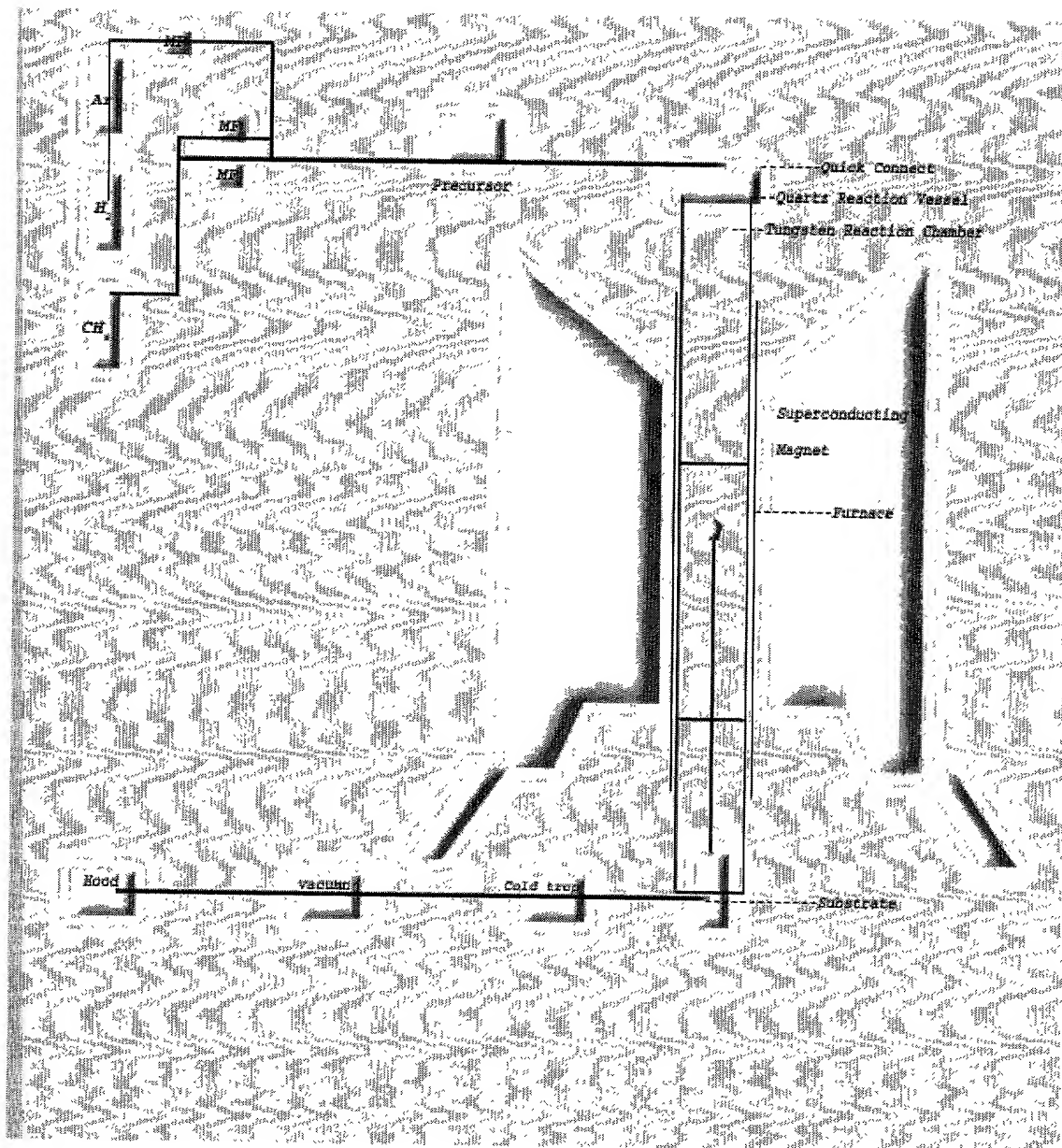


Figure 18

CVD of nanoparticle
catalyst 180°C



Unoriented
ferro-
nanoparticles

High temperature
annealing 20T 1000°C



Annealed and
magnetically
oriented
ferro-
nanoparticles

Growth of nanotube
20T 1000°C



Carbon
nanotube
formation on
the ferro-
nanoparticle